

FIG. 1
WIRELESS DATA SERVICES INFRASTRUCTURE

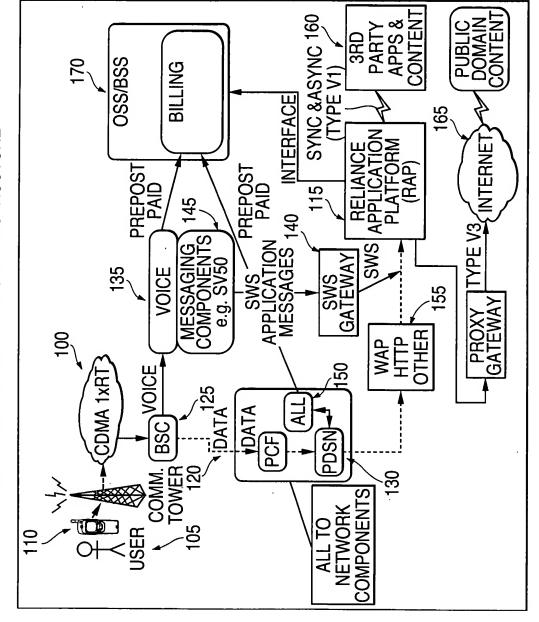
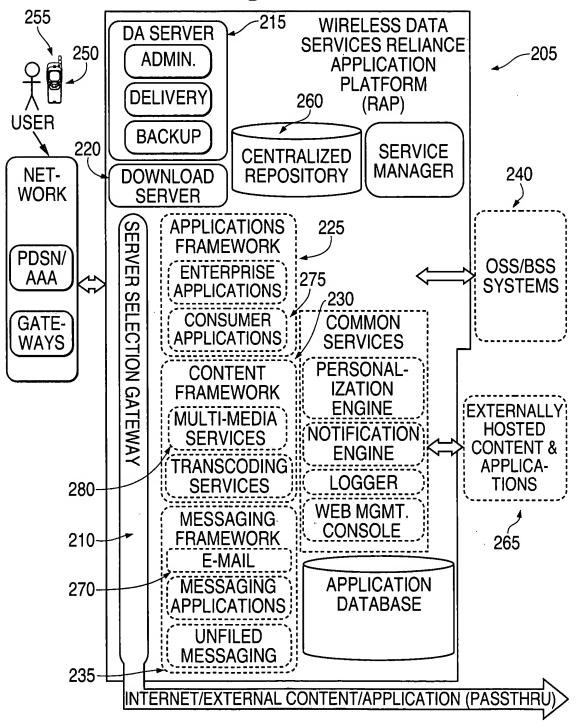
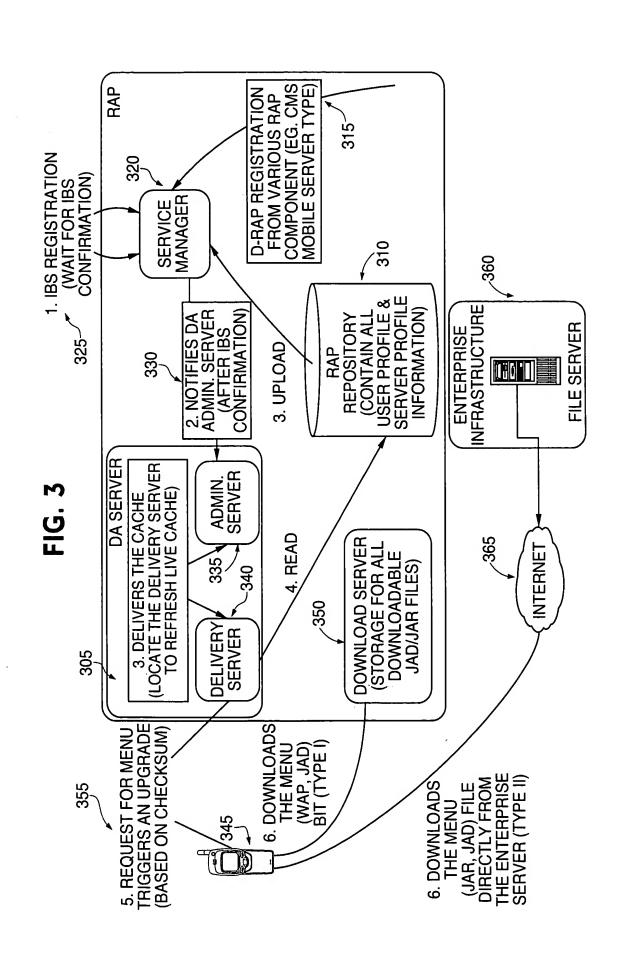
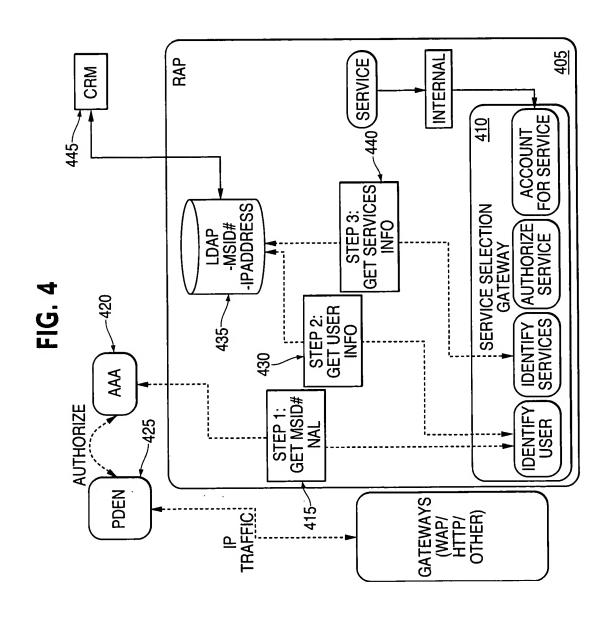


FIG. 2







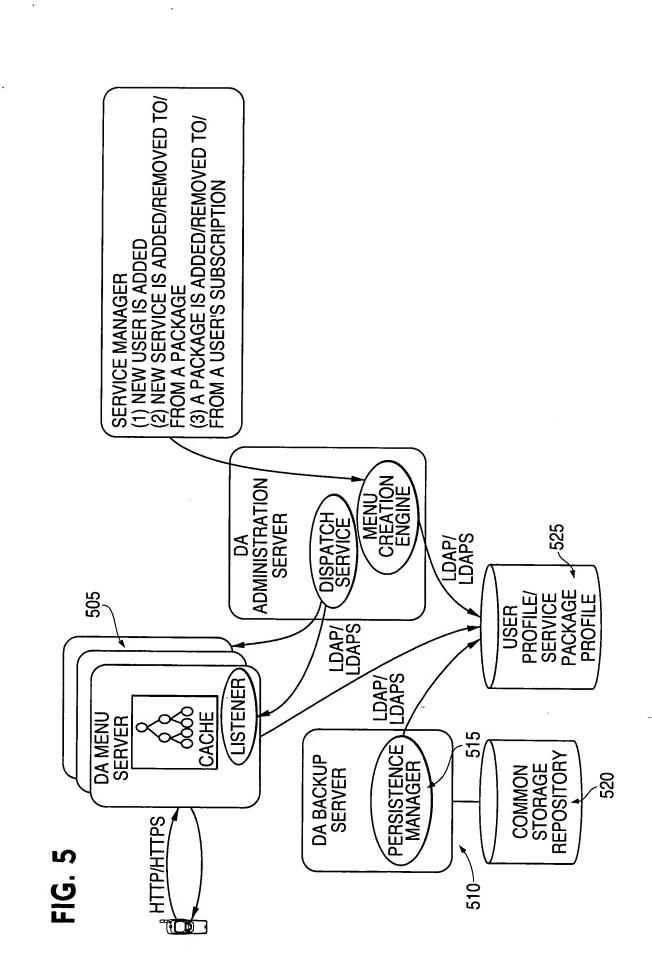


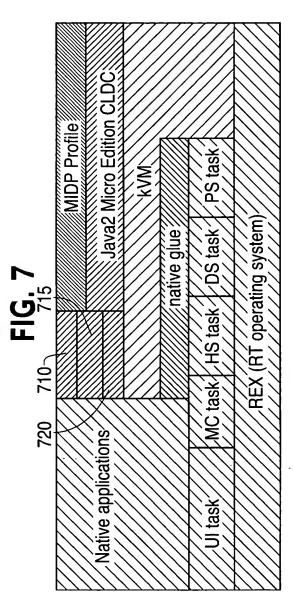
FIG. 6

MENU

Taill Select one TR News 2.8 Video 3.8 Audio 4.8 Messaging 5.8 Panchaang 6.8 Games Select Back

Select Back

KEYPAD



native application or software environment

mative functions supporting VM including graphic primitives, socket environment, etc...

Java™ API classes

MDP Profile

Java applications including network-based games, banking applications, etc...

FIG. 8

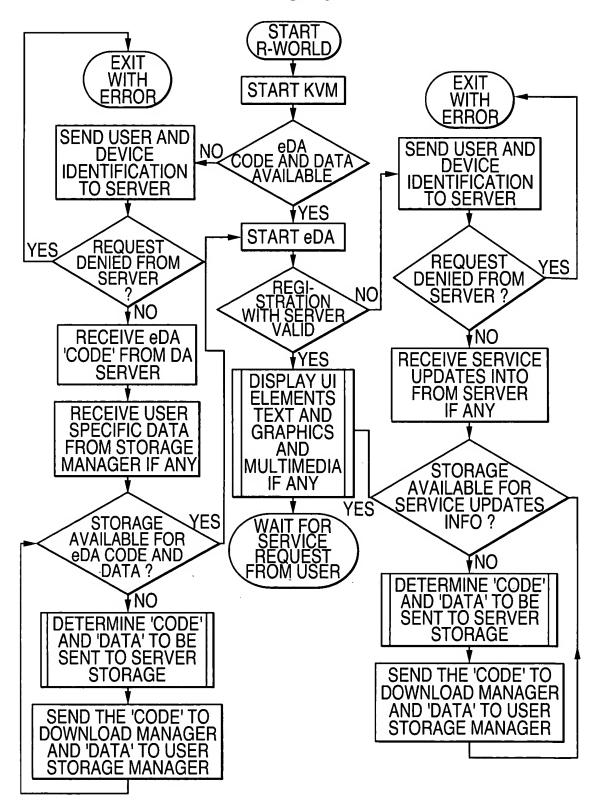


FIG. 9

DA DELIVERY SERVER RECEIVES REQUEST FROM eDA EXTRACT DEVICE INFORMATION. SUBSCRIBER INFORMATION. TIMESTAMP, LANGUAGE AND VERSION FROM THE INCOMING REQUEST RETREIVE SUBSCRIPTION INFORMATION DEVICE NO IDENTIFICATION SUCCESSFUL YES SUBSCRIBER IDENTIFICATION AND AUTHENTICATION SEND ERROR NO RESPONSE BACK TO THE DEVICE SUCCESSFU YES IS TIMESTAMP, VERSION NO VALID? YES RETREIVE PRE-GENERATED 'n'-LEVELS OF MENU BASED ON THE INFORMATION EXTRACTED FROM THE INCOMING EDA REQUEST FROM THE COMMON STORAGE REPOSITORY GENERATE AND SEND RESPONSE TO THE eDA CLIENT WAIT FOR FURTHER MENU REQUESTS FROM THE USER

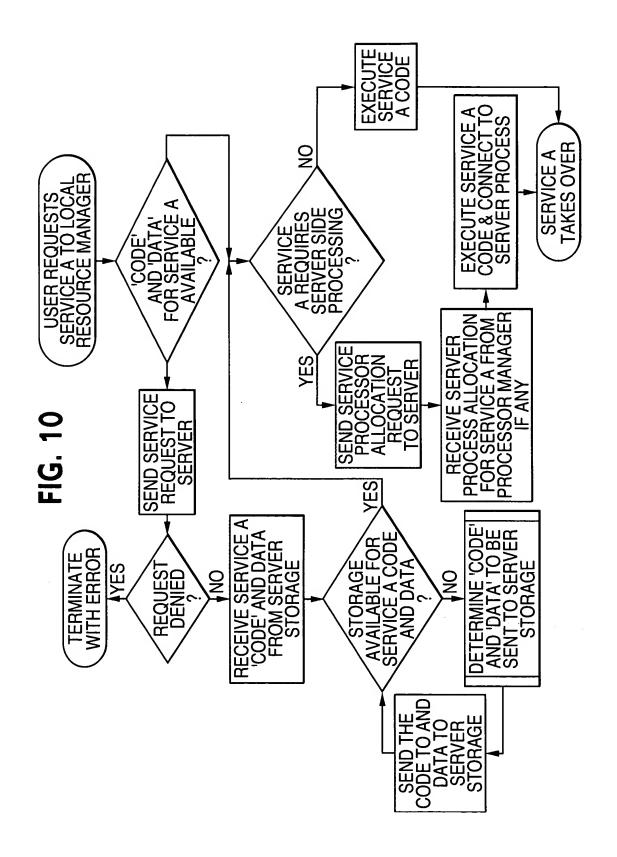
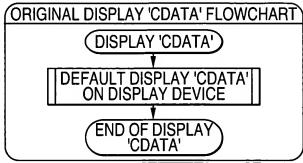


FIG. 11 SERVICE SELECTION CONTROLLER COMPONENT OF THE SSG RECEIVES SERVICE REQUEST FROM eDA EXTRACT DEVICE INFORMATION, SUBSCRIBER INFORMATION, LANGUAGE, SERVICE INFORMATION. SERVICE TYPE INFORMATION AND VERSION FROM THE INCOMING REQUEST RETRIEVE SUBSCRIPTION INFORMATION FROM REPOSITORY AND SEND TO ACCESS RIGHTS MANAGER DEVICE NO IDENTIFICATION SUCCESSFUL YES SEND SUBSCRIBER NO SERVICE DENIAL ÍDENTIFICATION AND **AUTHENTICATION** RESPONSE BACK SUCCESSFUL TO THE DEVICE YES SERVICE IDENTIFICATION AND AUTHORIZATION NO SUCCESSFUL **¥YES** SEND SERVICE DETAILS TO DOWNLOAD SERVER DOWNLOAD SERVER CONTROLLER RECEIVES REQUEST AND THE USER ACCOUNT MANAGER RETRIEVES CORRESPONDING SERVICE CODE AND DATA IS RETIEVED BY THE STORAGE MANAGER AND THE RESPONSE IS SET SSG PROPAGATES SERVICE CODE AND DATA RESPONSE TO THE REQUESTING DEVICE WAITS FOR FURTHER SERVICE

REQUESTS FROM USER

FIG. 12



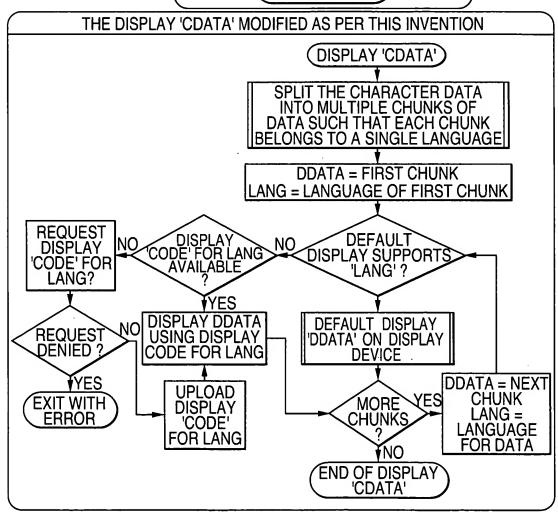


FIG. 13

DA BACKUP SERVER RECEIVES CODE AND DATA BACKUP SERVICE REQUEST FROM **DEVICE CLIENT** EXTRACT DEVICE INFORMATION, SUBSCRIBER INFORMATION, LANGUAGE, SERVICE INFORMATION, SERVICE TYPE INFORMATION AND VERSION FROM THE INCOMING REQUEST RETRIEVE SUBSCRIPTION INFORMATION FROM COMMON STORAGE REPOSITORY **DEVICE** NO IDENTIFICATION SUCCESSFUL YES SUBSCRIBER IDENTIFICATION AND SEND NO SERVICE DENIAL AUTHENTICATION RESPONSE BACK SUCCESSFUL TO THE DEVICE YES SERVICE IDENTIFICATION AND AUTHORIZATION SUCCESSFUL NO ∳YES SEND CODE AND DATA TO BE BACKED UP TO THE PERSISTENCE MANAGER SET SUCCESSFUL UPDATE RESPONSE AND PROPAGATE RESPONSE BACK TO THE CLIENT WAITS FOR FURTHER CODE AND DATA BACKUP SERVICE REQUESTS FROM USER

FIG. 14

SERVICE SELECTION CONTROLLER COMPONENT OF THE SSG RECEIVES SERVICE REQUEST FROM THE DEVICE CLIENT EXTRACT DEVICE INFORMATION, SUBSCRIBER INFORMATION, LANGUAGE, SERVICE INFORMATION, SERVICE TYPE INFORMATION AND VERSION FROM THE INCOMING REQUEST RETRIEVE SUBSCRIPTION INFORMATION FROM REPOSITORY AND SEND TO ACCESS RIGHTS MANAGER **DEVICE** NO IDENTIFICATION SUCCESSFUL YES SEND SUBSCRIBER NO SERVICE DENIAL DENTIFICATION AND AUTHENTICATION IRESPONSE BACK SUCCESSFUL TO THE DEVICE YES SERVICE IDENTIFICATION AND AUTHORIZATION NO) SUCCESSFUL ∳YES SERVICE SELECTION CONTROLLER SENDS REQUEST TO BE SENT TO REQUESTED SERVICE HOSTED IN THE APPLICATION PROCESS CONTAINER THROUGH THE **APPLICATION GATEWAY** SERVICE SELECTION CONTROLLER PROPAGATES SERVICE RESPONSE TO THE REQUESTING DEVICE WAITS FOR FURTHER SERVICE REQUESTS FROM USER